

**Claims**

What is claimed is:

1. System comprising:

5                   a contactless label chipcard attached to a product containing at least information for identifying said product and said payment status and a component for execution of the update of the payment status of said product

10                  a device for reading and initiating update of the payment status comprising at least:

                      a contactless reader for reading information stored in said contactless label chipcard

15                  a component for generating invoice based on said information received from said contactless label chipcard

                      a component for checking payment of said invoice

20                  a component for initiating update of the payment status.

2. System according to claim 1, wherein said label chipcard contains following information:

Label ID

Product ID

5 Payment status PAID or NOT PAID

AuthenticationKey

3. System according to claim 2, wherein said label chipcard additionally contains product price information.

4. System according to claim 2, wherein said  
10 information are stored in the non-volatile memory of said  
label chipcard.

5. System according to claim 1, wherein said  
contactless reader comprising at least a component for  
sending to and receiving information from said label  
15 chipcard.

6. System according to claim 5, wherein said  
contactless reader uses inductive coupling for data  
transmission.

7. System according to claim 1, wherein said contactless label chipcard comprises at least a component for sending to and receiving information from said contactless reader.

5       8. System according to claim 7, wherein said contactless reader comprises at least a component for sending to and receiving information from said label chipcard, said contactless reader further comprising a generator for generating a RF-field whereby said contactless reader and said contactless label chipcard uses said RF-field for data transmission.

10      9. System according to claim 1, wherein said component for generating an invoice has access to enterprise data not contained in said label chipcard for generating an invoice.

10. System according to claim 1, wherein said device  
for reading and initiating the update of the payment status  
further comprises:

5                   a data processing device with non-volatile  
memory for storing said a component for checking  
the payment of said invoice and said component for  
initiating the update of the payment status in  
said contactless label chipcard

10                  a data connection between said data  
processing device and said reader

                    a display device for displaying invoice  
information

                    a warning device for detecting not paid  
products.

15                 11. System according to claim 10 further comprises:

                    a contact card reader as payment means

                    a contactless card reader as payment means.

20                 12. System according to claim 10, wherein said device  
for reading and initiating the update of the payment status  
is part of a check-out system.

13. Contactless product label chipcard for use in a system according to claim 1 comprising at least:

a component for sending to and receiving information from a contactless reader

5 a non-volatile memory containing at least following information:

Label ID

Product ID

Payment status PAID or NOT PAID

10 AuthenticationKey

a component for execution of the update of the payment status by means of authentication.

14. A device for reading and initiating payment status for use in a system according to 1 comprising at least:

a contactless reader for reading information stored in said contactless label chipcard

5 a component for generating an invoice based on said information received from said contactless label chipcard

a component for initiating update of the payment status on said label chipcard

10 a data processing device for storing said a component for checking the payment of said invoice and said component for initiating update of the payment status in said contactless label chipcard

15 a data connection between said data processing device and said reader

a display device for displaying invoice information

a warning device for detecting not paid products.

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15. Method for executing payments in a system as claimed in claim 1 comprising the steps of:

Detecting presence of a contactless label chipcard in the range of the contactless reader

5 Requesting product information from said detected label chipcard

Storing product information in a memory of said device

10 Repeating aforementioned steps for all label chipcards detected in the range of said contactless reader

Generating invoice based on said information stored in said memory

Execution of payment and examination of validity of said payment

15 Sending "RequestSetPaid" with authentication protocol information by said component for initiating update of the payment status via said contactless reader to a selected label chipcard if the payment was valid

20 Execution of said "RequestSetPaid" on said selected label chipcard by said component for execution the update of the payment status when

the authentication protocol information provided with said "RequestSetPaid" is identical with the authentication protocol information generated by said label chipcard

5                   Repeating execution step for all articles or products covered by the invoice

Inactivating said warning system.

16. Method according to claim 15 wherein said product information contains a product identification ID and/or a  
10                 product price information.

17. Method according to claim 16 wherein said product price information can be changed by an authorized device.

18. Method according to claim 15 wherein said invoice is generated with further product data identified by means  
15                 of said information provided by said label chipcard.

19. Method according to claim 15 wherein the execution of payment is supported by an user interface with different option of payment.

20. Method according to claim 15 wherein the step of detecting presence of the label chipcard comprises the further steps:

detecting presence of a contactless payment  
chipcard in the range of the contactless reader

offering use of the detected contactless payment chipcard for performing the payment.

10            21. Method according to claim 15 wherein said authentication protocol information is a digital signature or a MAC.

22. Computer program product stored in the internal  
memory of a computer containing parts of software code for  
15 performance of the method according to claim 15 if the  
product is implemented on the computer.

23. Computer program product stored in the internal  
memory of a computer containing parts of software code for  
performance of the method according to claim 17 if the  
product is implemented on the computer.

24. Computer program product stored in the internal memory of a computer containing parts of software code for performance of the method according to claim 20 if the product is implemented on the computer.